

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.



62.6

1930.

CERTIFIED BENT SEED



New Brunswick Creeping Bent
Velvet Bent

and

LIBRAR

RECEIVED

MAY 10 1930

U. S. Department of Agriculture



Seaside Bent

FOR SALE BY

The I. L. Radwaner Seed Co.
115 Broad St. New York, N. Y.

PRINCE EDWARD ISLAND BENT

PRINCE EDWARD ISLAND BENT: *Agrostis tenuis* in Canada, *capillaris* or *vulgaris* in the United States.

Prince Edward Island Bent is a pure, hardy strain of Colonial Bent (*Agrostis tenuis*) grown on Prince Edward Island, Canada, where severe winters prevail, and has proven exceptionally hardy when given fair treatment under turf conditions. Some of the seed meadows are over ten years old, and the grass has persisted under climatic conditions too severe for winter wheat; withstanding exposure to the cold winds of winter, ice formations, and freezing and thawing of early spring. (Ice in Northumberland Strait, which separates Prince Edward Island from New Brunswick, often freezes to a thickness of 10 to 15 feet.) Several greens of the Charlottetown Golf Club, Charlottetown, Prince Edward Island, have been down in native Prince Edward Island Bent for twenty-seven years.

All fields are Government inspected and no seed is harvested when over 5 per cent of Redtop is found growing. The seed crop must show vigorous growth and be reasonably free from bad turf weeds.

Growers are organized and operate their own cleaning plant at Charlottetown, P. E. I., and after the seed is carefully recleaned, it is tested for purity and germination at a Canadian laboratory and certified and sealed in the bag by a Canadian official inspector. Experiments at the Seed Laboratory, Ottawa, Canada, have shown samples of Prince Edward Island bent seed to hold germinating power unimpaired for five years.

As the seed of Prince Edward Island Bent can only be distinguished from that of other bents by an expert with the aid of a microscope, field inspection and sealing of seed in the bag by a Canadian official inspector is a guarantee of purity of variety and of quality.

Prince Edward Island Bent grows upright, spreads by short underground stems or rootstocks, and makes a beautiful lawn or playable turf quickly.

Prince Edward Island Bent forms an ideal turf of dark green color and uniform in texture. As it is native to dry, rather sterile soils, it is splendidly adapted to locations that can not be supplied with the water necessary to maintain Creeping Bent turf, such as tees, approaches, bowling greens, and fine lawns. Prince Edward Island Bent will go a long way toward solving the problem of the small golf club that desires bent greens but has a poor water supply and must economize on labor, as it requires less frequent cutting than Creeping Bent and only occasional topdressing.

Though native to rather sterile soils, a fertilizer high in nitrogen is desirable on all soils to maintain turf in healthy condition. Healthy turf will hold its own in competition with weeds, though persistent varieties, such as chickweed and especially crabgrass, should be pulled early before they become established, as they are very aggressive in later stages.

Prince Edward Island Bent is particularly adapted to the acid soils of the Eastern Seaboard and New England States and to all northern locations where winter hardiness is a factor. Prince Edward Island Bent is rather immune to Small Brown Patch, so can be used to good advantage where this disease is prevalent.

Prince Edward Island Bent is the ideal for lawns, as it requires much less care than Creeping Bent and only occasional cutting. On the Eastern Seaboard and in the New England States it will prove the dominant grass with ordinary attention. On the alkaline soils of Ohio and the Middle West, a fertilizer high in nitrogen and with a slightly acid reaction is advisable. We recommend a Special Bent Fertilizer with approximately as much nitrogen as phosphoric acid and potash combined, incorporated with the soil before seed is sown and applied once or twice during the season, at the rate of 25 pounds to 1000 square feet. Most turf weeds thrive best on alkaline soils; and conditions, natural or artificial, that encourage bent tend to discourage weeds. For golf clubs accustomed to its use, we recommend sulphate of ammonia.

Prince Edward Island Bent Seed is very inexpensive, as a pound contains about 6,000,000 seeds high in germination. 1 to 2 pounds to 1000 square feet for lawns and 2 to 4 pounds for putting greens is sufficient, though a little heavier seeding is better.

We do not advise a nurse crop for putting greens, but for lawns we recommend 10 to 15 per cent Italian or domestic ryegrass, which grows very quickly and protects the bent until established. The ryegrass dies out in about a year.

The cost of producing a lawn or green from bent seed is less than a fourth the cost of the vegetative method.

Do not buy bent seed merely as bent. Insist on Certified Prince Edward Island Bent seed. It is well worth the small extra price. The cost of the seed is the smallest part of green or lawn maintenance.

Prince Edward Island Bent is best for lawns.

Prince Edward Island Bent is best for approaches, tees and fairways and for greens where lack of moisture is a factor.

Prince Edward Island Bent is almost immune to Small Brown Patch.

CERTIFIED VELVET BENT

CERTIFIED VELVET BENT: *Agrostis canina*. A very limited quantity of true Velvet Creeping Bent is grown on Prince Edward Island and produces what is probably the finest turf known. Fields are inspected 90 per cent as to variety, but due to the aggressive character of Prince Edward Island Bent (*Agrostis tenuis*) the recleaned seed is approximately 90 per cent *Agrostis* species, of which 65 to 75 per cent is pure Velvet Bent. Prince Edward Island is, we believe, the only source of supply other than the small quantities sometimes found in German Mixed Bent. Attempts to grow Velvet Bent in Western Canada have failed the past two seasons, though we understand a small area is cultivated in the Pacific Northwest, the seed being consumed locally.

Prince Edward Island grown Velvet Bent is sealed in 10-pound bags by the Canadian Department of Agriculture and is tagged with inspection certificate and test as made in a Canadian official laboratory.

Velvet Bent is the finest turf known.

NEW BRUNSWICK CREEPING BENT

NEW BRUNSWICK CREEPING BENT: *Agrostis stolonifera var. compacta*. A new commercial variety of true, fine leaved, creeping bent, produced in New Brunswick, Canada, in a limited quantity. In our opinion a very valuable addition to the growing family of commercial bent grasses. A true creeper—finer in texture than most commercial vegetative strains and Seaside Bent, though similar botanically—and very winter hardy. Increase in production and moderate price will follow support by those interested in fine turf. Sealed in 10-pound bags, by the Canadian Department of Agriculture, and tagged with inspection certificate and test as made in a Canadian official laboratory.

New Brunswick Creeping Bent is finer though similar to Seaside Bent and is probably one of the coming putting green grasses, and particularly valuable on aviation fields, as it is quick to repair damage to turf caused by airplanes.

SEASIDE BENT

SEASIDE BENT: *Agrostis stolonifera var. compacta* in Canada—*Agrostis maritima* in the United States. A strictly creeping grass. Ideal for putting greens. Popular for several years past on the Pacific Coast and now coming into general use in the Eastern and Central States. Requires the frequent cutting and topdressing necessary to all the creeping varieties to keep the naturally recumbent blades upright. Will thrive with less water than commercial vegetative strains, but needs considerably more than Prince Edward Island Bent. Blends well with turf of the standard vegetative strains. Buckeye Brand State Sealed and Certified seed is 98 per cent to 99 per cent pure and averages 90 per cent to 95 per cent in germination.

Seaside Bent seems to be somewhat resistant to Large Brown Patch, therefore valuable where this disease is a pest. Is better adapted to warm humid conditions than other strains.

Buckeye Brand Seaside Bent is sealed and certified by the State of Oregon and packed in 50-pound sealed bags. Oregon inspection covers both inspection in the field and of the recleaned seed. It is the highest quality obtainable and is grown for us in Coos County, Oregon. Purchasers of Seaside Bent are advised to purchase only State Certified Seed or seed sold under a trade name which is a guarantee of quality. We have seen and have ourselves been misled into purchasing seed as Seaside Bent which turned out to be Redtop and German Bent.

Seaside Bent is best for greens, as it is cheaper to establish and easier to maintain than vegetative strains.

Seaside Bent is resistant to Large Brown Patch.